

WHAT IS CLAIMED IS:

1. A drum type refining or washing apparatus in which a lower circular part of a rotary drum having an air and water passing structure and laterally installed is infiltrated in a liquid vessel, a suspension is fed into said rotary drum, so that a suspended substance contained in said suspension is refined or washed by filtration function of a rotary drum forming wall of the air and water passing structure at said lower circular part of said drum infiltrated in said liquid vessel, wherein said rotary drum is provided at an outer peripheral surface thereof with a filtrate receptive cell, said filtrate receptive cell defining a filtrate receptive chamber facing the outer peripheral surface of said rotary drum, a plurality of said filtrate receptive cells being arranged in a peripheral direction of said rotary drum, each of said filtrate receptive cell being provided at one end thereof on the side opposite to the rotating direction of said rotary drum with a discharge port for discharging said filtrate received in said filtrate receptive chamber of said filtrate receptive cell through said rotary drum forming wall into said liquid vessel, said filtrate in said filtrate receptive chamber of said filtrate receptive cell being discharged in said liquid vessel through said discharge port during an escaping process of said filtrate receptive cell onto the liquid surface of said liquid vessel in accordance with rotation of said rotary drum, discharge of said filtrate causing generation of a filtrate sucking force directing toward the inside of said filtrate receptive chamber at said rotary drum forming wall which said filtrate receptive chamber of said filtrate receptive cell faces.

2. A drum type refining or washing apparatus according to claim 1, wherein a rear end face, in the opposite direction to the rotating direction of said rotary drum, of said filtrate receptive cell is opened to form said discharge port.
3. A drum type refining or washing apparatus according to claim 1, wherein said discharge port is formed by providing a discharge tube to a rear wall, in the opposite direction to the rotating direction of said rotary drum, of said filtrate receptive cell.
4. A drum type refining or washing apparatus according to claim 1, wherein said suspension is a pulp suspension.